

Claims

What is claimed is:

1. Apparatus for display in a fuel dispenser, comprising:
  - 5 a printed circuit board;
  - a display connected to the printed circuit board; and
  - a light source interposed between the display and the printed circuit board for illuminating the display.
- 10 2. The apparatus of Claim 1 wherein the display includes a liquid crystal display module.
- 15 3. The apparatus of Claim 1 wherein the light source includes a light emitting diode.
4. The apparatus of Claim 1 wherein the light source includes a fluorescent lamp.
- 20 5. The apparatus of Claim 4 wherein the fluorescent lamp is a cold cathode fluorescent lamp.
6. The apparatus of Claim 1 and comprising an assembly including the light source.
- 25 7. The apparatus of Claim 6 wherein the assembly is field replaceable, apart from the printed circuit board and the display.
- 30 8. The apparatus of Claim 6 wherein the assembly includes a reflector for reflecting light that is emitted from the light source, so that the light is directed toward the display.

9. The apparatus of Claim 6 wherein the assembly includes a diffuser for diffusing light that is emitted from the light source en route to the display.

5 10. The apparatus of Claim 1 wherein the display is for displaying information to a user of the fuel dispenser, and comprising:

circuitry for outputting signals to the display, so that the display displays the information in response to the signals.

10 11. Apparatus for display in a fuel dispenser, comprising:  
a printed circuit board;  
a liquid crystal display module connected to the printed circuit board for displaying information to a user of the fuel dispenser;  
circuitry for outputting signals to the liquid crystal display module, so that the liquid crystal display module displays the information in response to the signals;  
15 an assembly including a light source, the light source being interposed between the liquid crystal display module and the printed circuit board for illuminating the liquid crystal display module.

20 12. The apparatus of Claim 11 wherein the light source includes a light emitting diode.

13. The apparatus of Claim 11 wherein the light source includes a cold cathode fluorescent lamp.

25 14. The apparatus of Claim 11 wherein the assembly is field replaceable, apart from the printed circuit board and the liquid crystal display module.

15. The apparatus of Claim 11 wherein the assembly includes a reflector for reflecting light that is emitted from the light source, so that the light is directed toward the liquid crystal display module.

5        16. The apparatus of Claim 11 wherein the assembly includes a diffuser for diffusing light that is emitted from the light source en route to the liquid crystal display module.

10      17. A method of display in a fuel dispenser, comprising:  
                connecting a display to a printed circuit board; and  
                interposing a light source between the display and the printed circuit board for illuminating the display.

15      18. The method of Claim 17 wherein the connecting comprises:  
                connecting the display to the printed circuit board, the display including a liquid crystal display module.

20      19. The method of Claim 17 wherein the interposing comprises:  
                interposing the light source between the display and the printed circuit board, the light source including a light emitting diode.

25      20. The method of Claim 17 wherein the interposing comprises:  
                interposing the light source between the display and the printed circuit board, the light source including a fluorescent lamp.

21. The method of Claim 17 wherein the interposing comprises:  
                interposing the light source between the display and the printed circuit board, the light source including a cold cathode fluorescent lamp.

22. The method of Claim 17 and comprising:  
field replacing an assembly including the light source, apart from the printed  
circuit board and the display.

5 23. The method of Claim 17 and comprising:  
outputting signals to the display, so that the display displays information to a user  
of the fuel dispenser in response to the signals.